

Fig.1

Fig.2

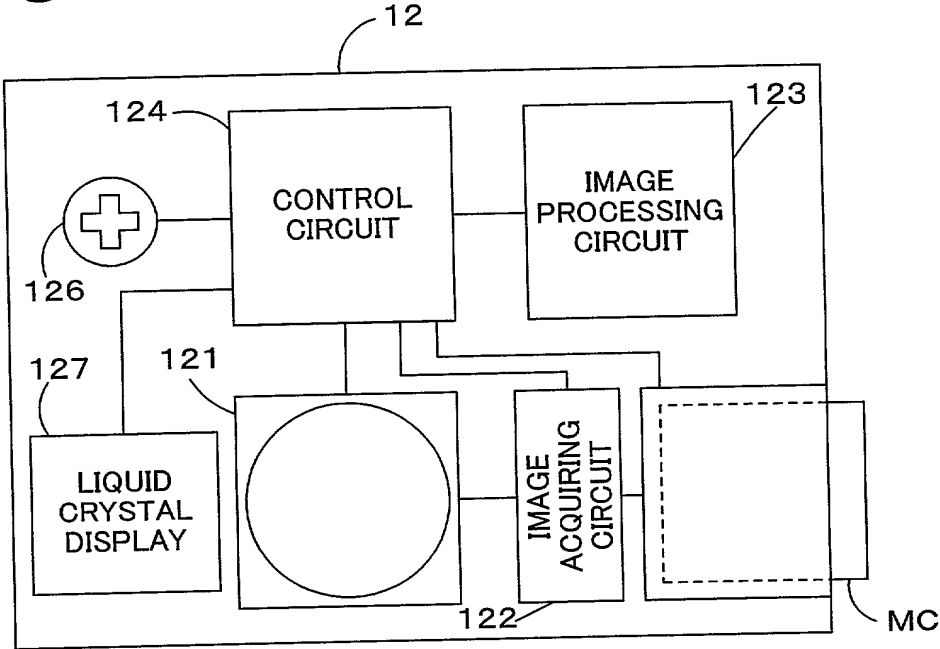


Fig.3

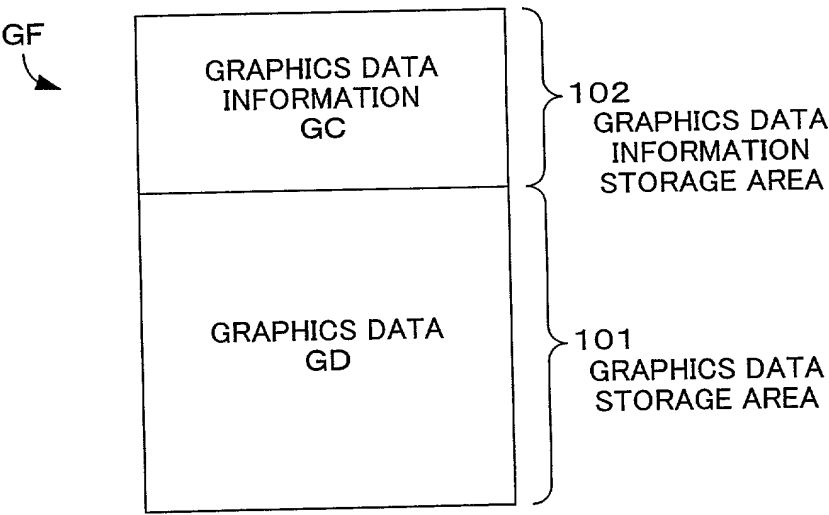


Fig.4

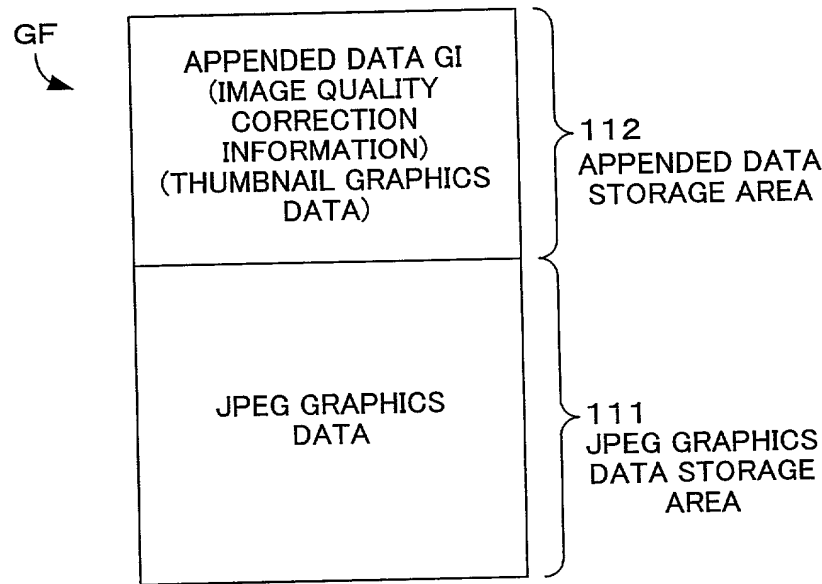


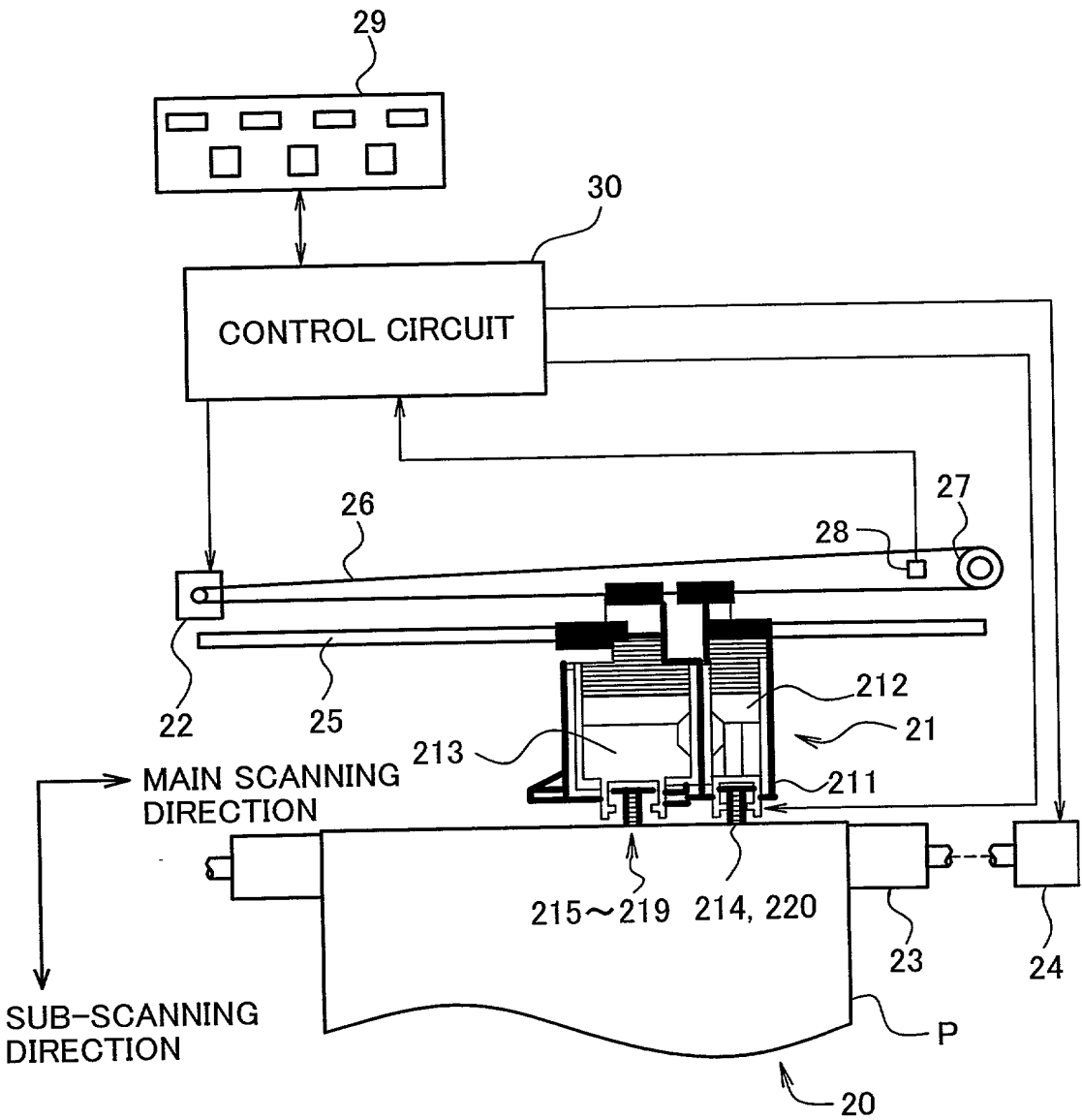
Fig.5

TAG NAME	PARAMETER VALUE
EXPOSURE TIME	1/137 SEC
LENS F NUMBER	F10. 1
EXPOSURE COMPENSATION	EVO. 4
MIN. F VALUE	F2. 0
LENS FOCAL DISTANCE	20. 70(mm)
COLOR SPACE INFORMATION	sRGB
PICTURE MODE	1
AUTO ADJUST LEVEL	5

112 APPENDED DATA STORAGE AREA

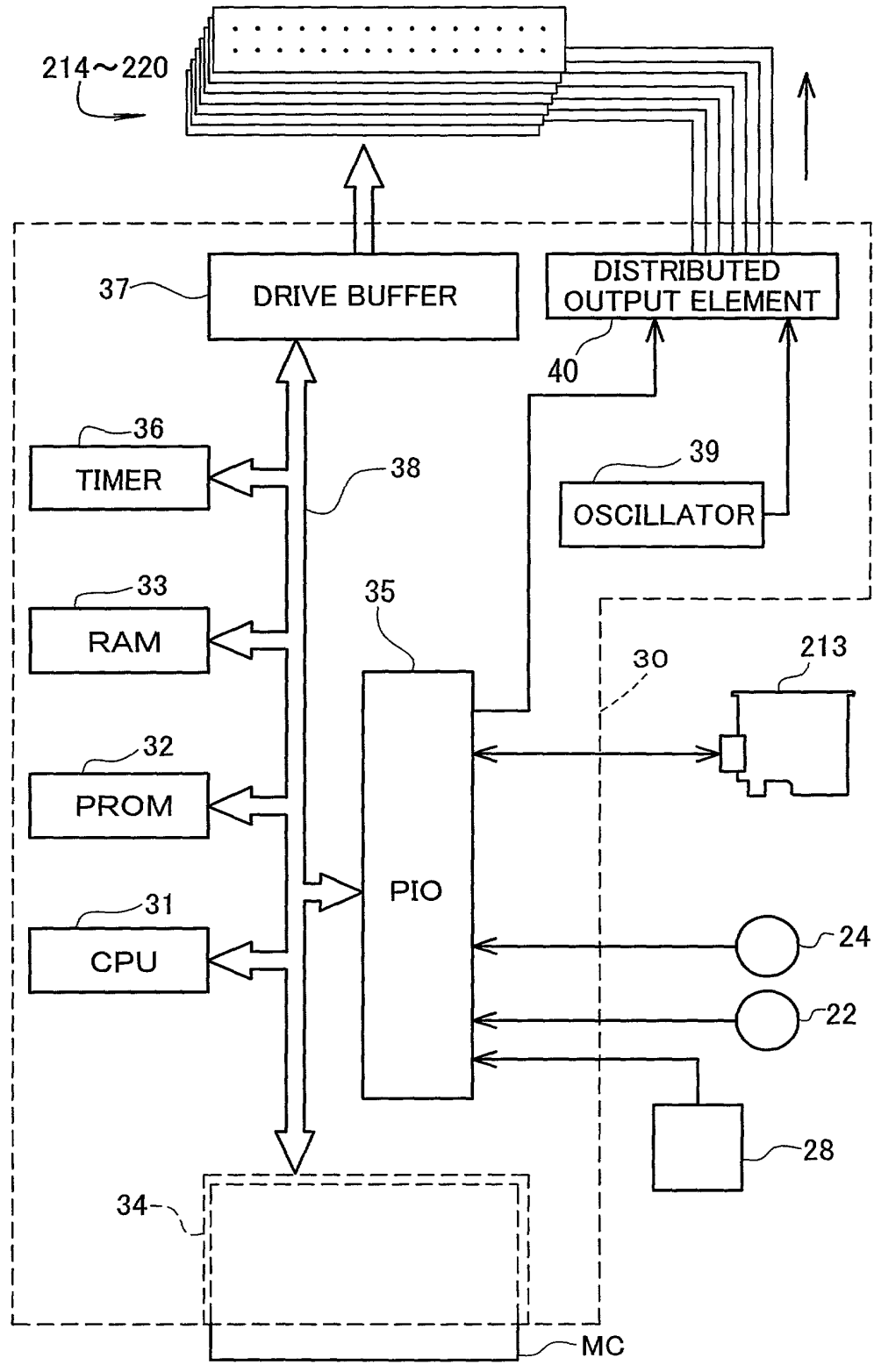
⋮

Fig.6



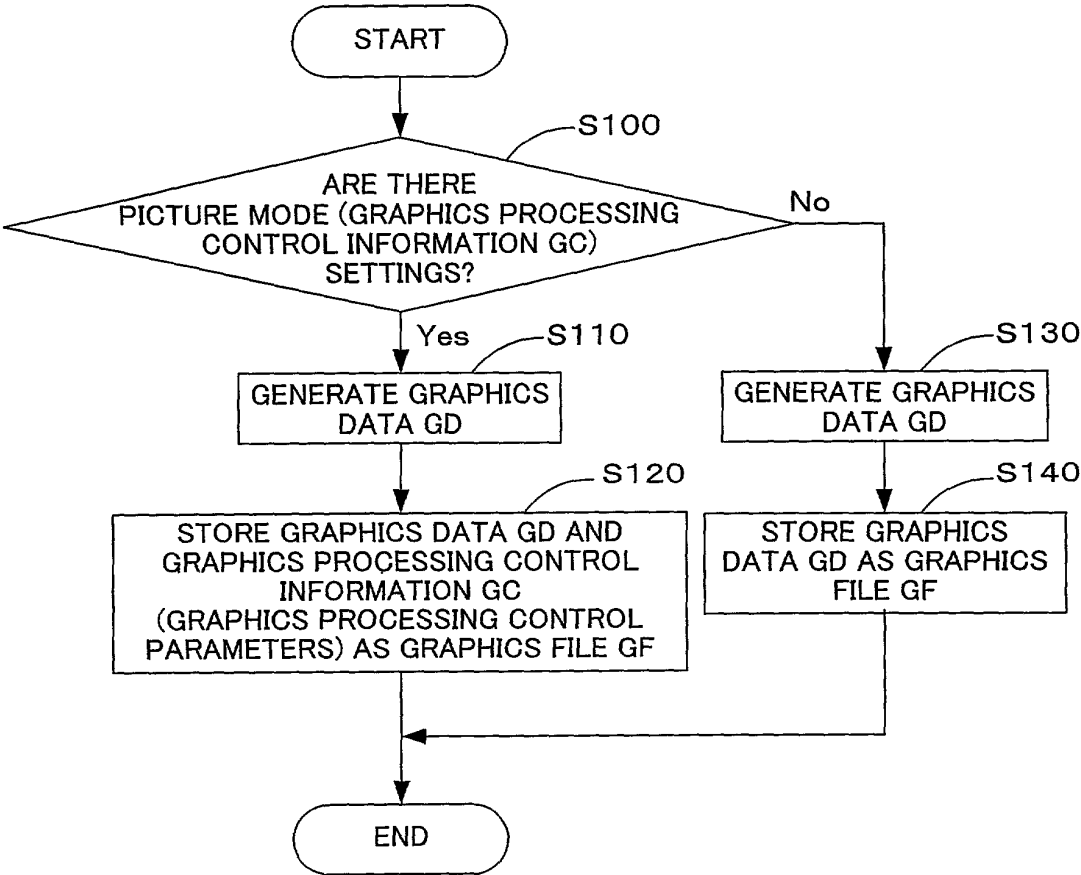
10053477.011502

Fig.7



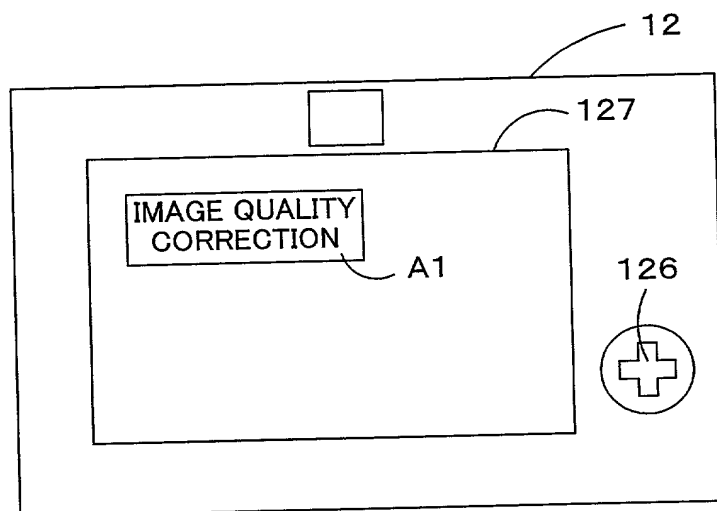
100547-01502

Fig.8

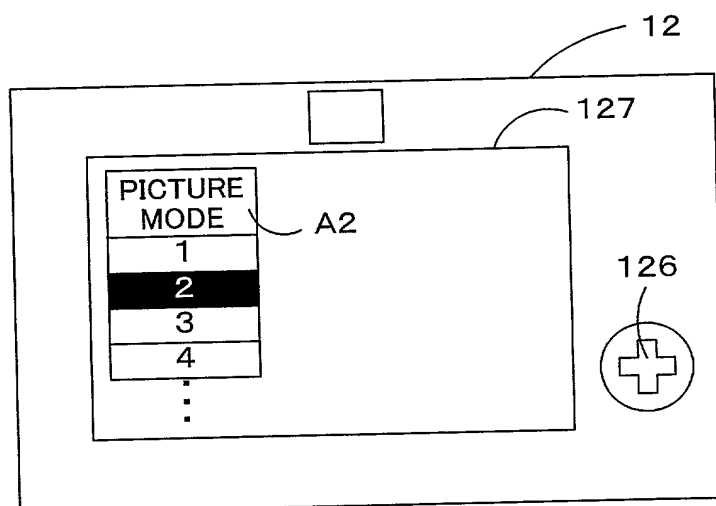


“test” report

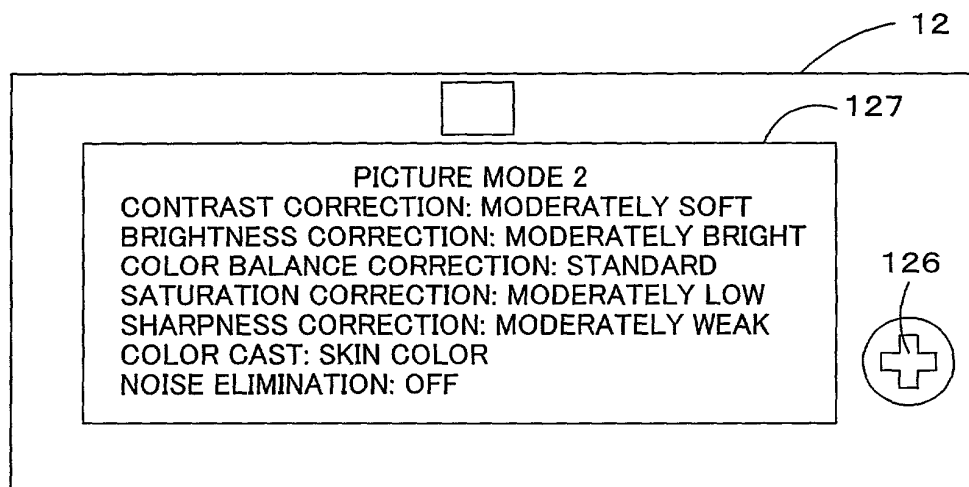
**Fig.9**



**Fig.10**



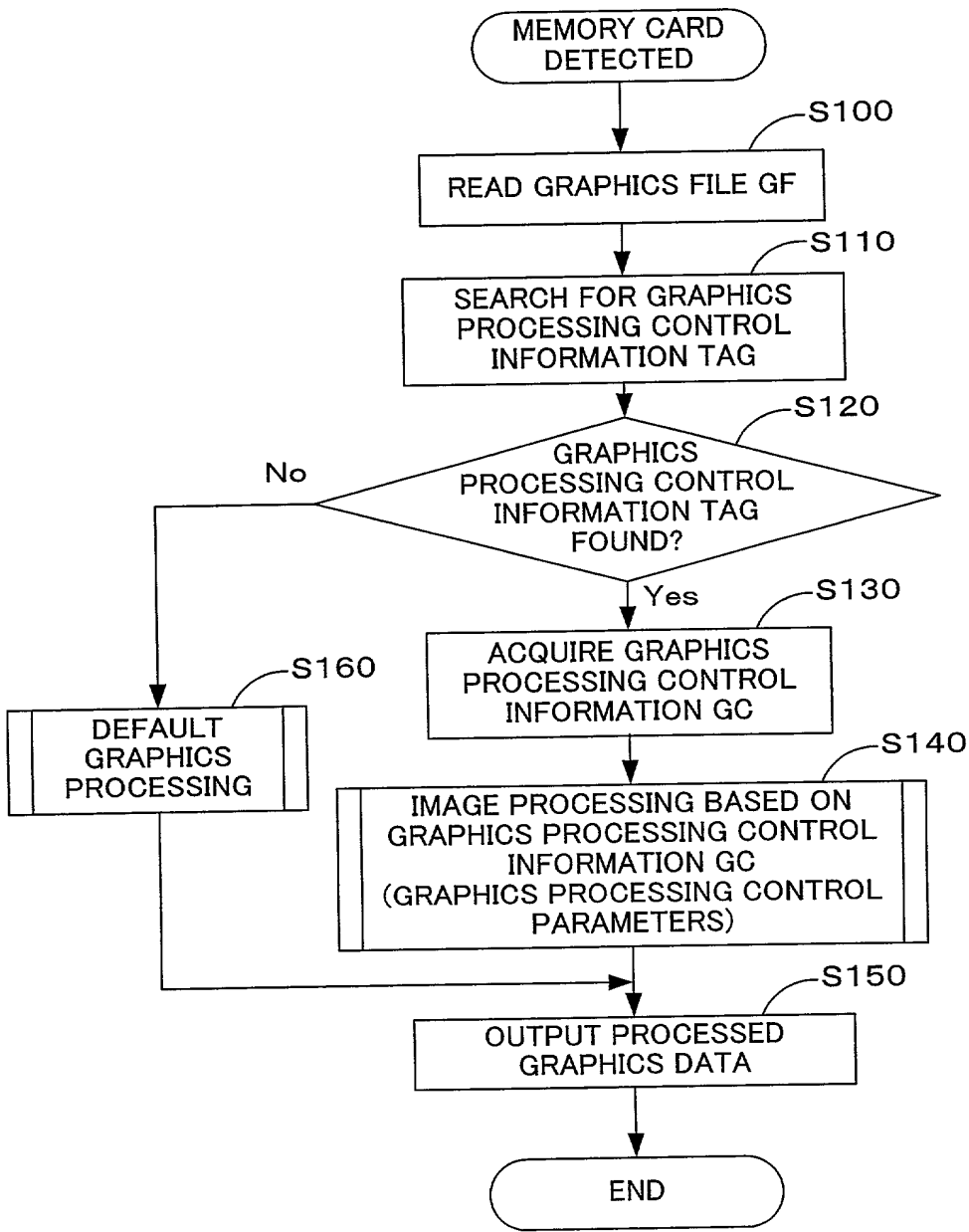
**Fig.11**



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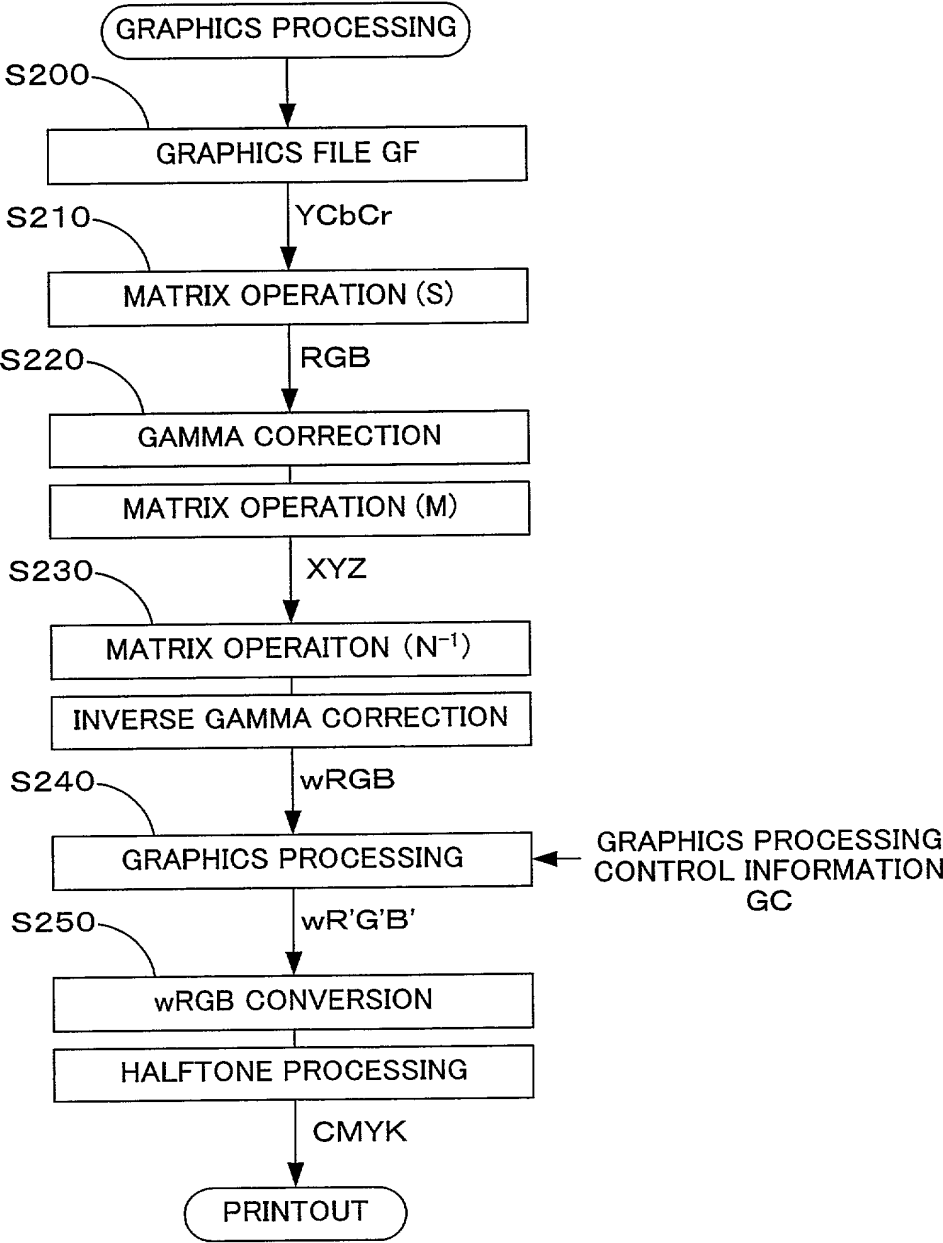


Fig.12



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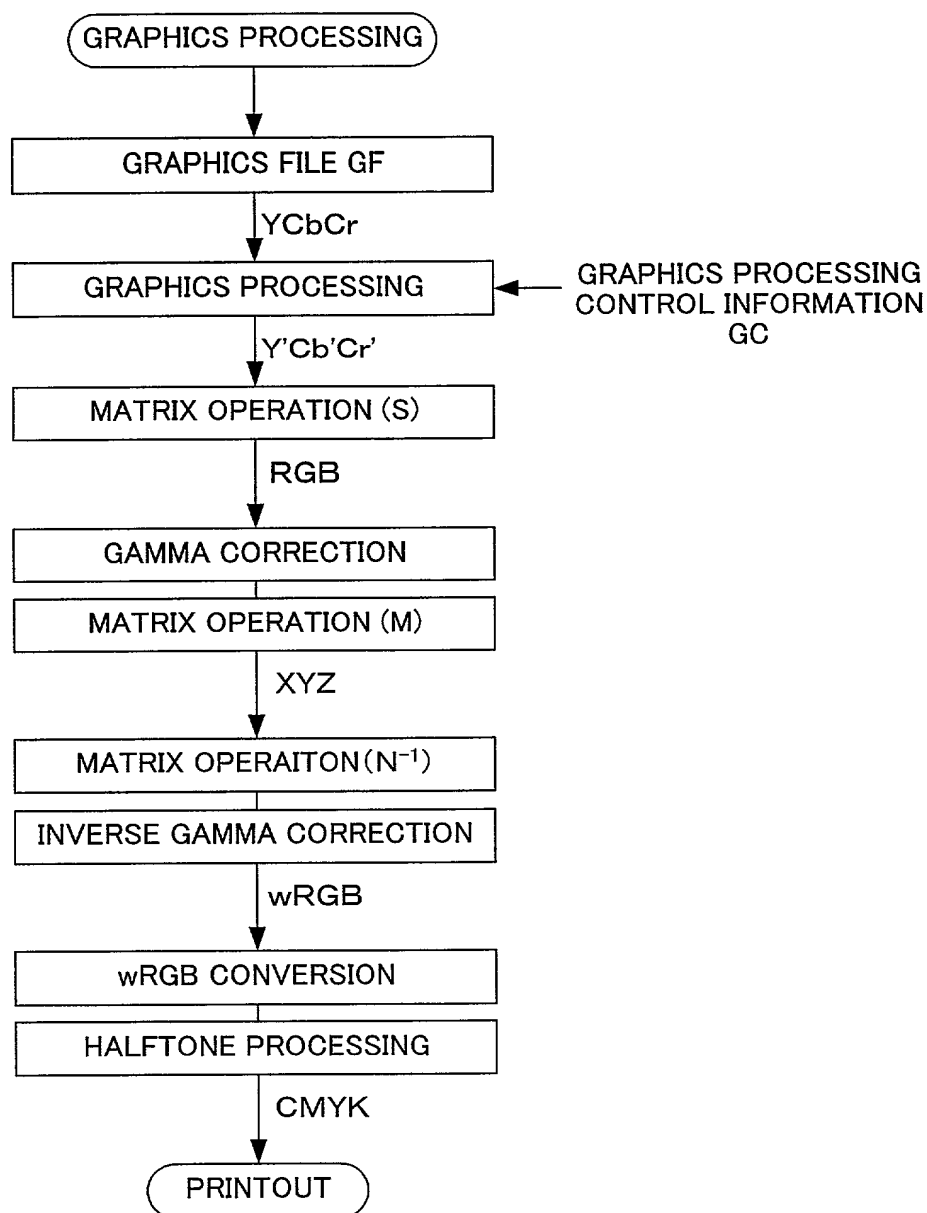
Fig.13



2053477.0150

**Fig.14**

MODE	CONTRAST	BRIGHTNESS	COLOR BALANCE	SATURATION	SHARPNESS	MEMORY COLOR	NOISE REDUCTION
1	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	OFF	OFF
2	MOD. SOFT	MOD. BRIGHT	STANDARD	MOD. LOW	MOD. LOW	SKIN COLOR	OFF
3	MOD. HARD	STANDARD	STANDARD	MOD. HIGH	MOD. HIGH	SKY/GREEN	OFF
4	STANDARD	DARK	OFF	STANDARD	MOD. LOW	RED	ON
5	STANDARD	DARK	OFF	STANDARD	STANDARD	OFF	ON
6	MOD. SOFT	MOD. BRIGHT	WEAK	MOD. HIGH	STANDARD	GREEN	OFF
7	STANDARD	STANDARD	WEAK	STANDARD	HIGH	OFF	OFF
8	HARD	STANDARD	STANDARD	MOD. HIGH	HIGH	OFF	OFF
9	MOD. SOFT	BRIGHT	STANDARD	STANDARD	STANDARD	OFF	OFF
10	STANDARD	STANDARD	STANDARD	HIGH	MOD. HIGH	RED	OFF
11	STANDARD	MOD. BRIGHT	STANDARD	STANDARD	MOD. HIGH	SKIN COLOR	OFF

**Fig.15**

**Fig.16**

$$\begin{pmatrix} R \\ G \\ B \end{pmatrix} = \mathbf{S} \begin{pmatrix} Y \\ Cb-128 \\ Cr-128 \end{pmatrix}$$

$$\mathbf{S} = \begin{pmatrix} 1 & 0 & 1.40200 \\ 1 & -0.34414 & -0.71414 \\ 1 & 1.77200 & 0 \end{pmatrix}$$

**Fig.17**

$$\begin{pmatrix} X \\ Y \\ Z \end{pmatrix} = \mathbf{M} \begin{pmatrix} Rt' \\ Gt' \\ Bt' \end{pmatrix} \quad \mathbf{M} = \begin{pmatrix} 0.6067 & 0.1736 & 0.2001 \\ 0.2988 & 0.5868 & 0.1144 \\ 0 & 0.0661 & 1.1150 \end{pmatrix}$$

$$Rt, Gt, Bt \geq 0$$

$$Rt' = \left( \frac{Rt}{255} \right)^r$$

$$Gt' = \left( \frac{Gt}{255} \right)^r$$

$$Bt' = \left( \frac{Bt}{255} \right)^r$$

$$Rt, Gt, Bt < 0$$

$$Rt' = - \left( \frac{-Rt}{255} \right)^r$$

$$Gt' = - \left( \frac{-Gt}{255} \right)^r$$

$$Bt' = - \left( \frac{-Bt}{255} \right)^r$$

**Fig.18**

$$\begin{pmatrix} R_w \\ G_w \\ B_w \end{pmatrix} = \mathbf{N}^{-1} \begin{pmatrix} X \\ Y \\ Z \end{pmatrix}$$

$$\mathbf{N}^{-1} = \begin{pmatrix} 3.30572 & -1.77561 & 0.73649 \\ -1.04911 & 2.1694 & -1.4797 \\ 0.0658289 & -0.241078 & 1.24898 \end{pmatrix}$$

$$R_w' = \left( \frac{R_w}{255} \right)^{1/\gamma} \quad G_w' = \left( \frac{G_w}{255} \right)^{1/\gamma} \quad B_w' = \left( \frac{B_w}{255} \right)^{1/\gamma}$$

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